

IN THE SPECIFICATION

Please replace the paragraph beginning at page 1, line 17, with the following new paragraph:

Examples of thermoplastic polymers used in magnet wire insulation systems include poly(aryl ether sulfones), such as polyphenylsulfone. A magnet wire comprising a polyphenylsulfone resin insulation is commercially available under the tradename REY MAG® produced by Hanover Manufacturing Corporation. Polyphenylsulfone is a tough linear polymer that possesses a number of attractive features such as excellent high temperature resistance, good electrical properties, high ductility, good toughness, and very good hydrolytic stability. Polyphenylsulfone is available from Solvay Advanced Polymers, LLC, under the trademark of RADEL® R. It corresponds to the following repeat unit formula:

Please replace the paragraph beginning at page 5, line 3, with the following new paragraph:

PPSF is available from commercial sources, including Solvay Advanced Polymers, LLC, under the trademark of RADEL® R. Suitable PPSF for certain embodiments of the present invention has a Tg of about 220 °C. PPSF is produced by the polycondensation of biphenol with 4,4'-dichlorodiphenyl sulfone as described in Canadian Patent No. 847,963, the entire disclosure of which is incorporated herein. In certain embodiments, the PPSF can be a copolymer wherein up to less than 50 mole % of the biphenol residue structural units are substituted with one or more aromatic dihydroxy compound residues other than those from biphenol. The aromatic dihydroxy compound residues other than those from biphenol are selected from the group consisting of 4,4'-isopropylidenediphenol (bisphenol A), 4,4'-dihydroxydiphenylether (bisphenol O), 4,4'-dihydroxydiphenylsulfone (bisphenol S), 4,4'-dihydroxybenzophenone, 1,4-bis(4-hydroxyphenyl) benzene, and hydroquinone.